

GE Healthcare SEP 1 1 2012

510(k) Premarket Notification Submission

510(k) Summary

In accordance with 21 CFR 807.92 the following summary of information is provided:

Date: August 03, 2012

Submitter: GE Healthcare

9900 Innovation Dr Wauwatosa, WI 53226

Primary Contact Person: Bryan Behn

Regulatory Affairs Manager

GE Healthcare T:(414)721-4214 F:(414)918-8275

Secondary Contact Person: Sadashiva Subraya

Regulatory Affairs Leader

GE Healthcare

T:(+91)80-40882969

Device: Trade Name: Voluson P6, Voluson P8 Ultrasound System

Common/Usual Name: Voluson P6, Voluson P8

Classification Names: Class II

Product Code: Ultrasonic Pulsed Doppler Imaging System. 21CFR 892.1550 90-IYN Ultrasonic Pulsed Echo Imaging System, 21CFR 892.1560, 90-IYO

Diagnostic Ultrasound Transducer, 21 CFR 892.1570, 90-ITX

Predicate Device(s): K120741 Voluson S6, Voluson S8 Diagnostic Ultrasound System

K113758 Voluson E6E8E8ExpertE10

Device Description: The subject device consists of a mobile console with keyboard,

specialized controls, a color video LCD display with electronicarray transducers. It has the same general appearance, dimensions and weight as the unmodified device, it is a Track 3 generalpurpose imaging and analysis system providing real-time digital acquisition, processing and display capability intended for general radiology imaging and evaluation with some cardiology

and vascular applications.

Intended Use: The device is a general-purpose ultrasound system. Specific

clinical applications and exam types include: Fetal (Obstetrics); Abdominal (including renal and GYN/pelvic); Pediatric; Small Organ (breast, testes, thyroid, salivary gland, lymph nodes, pediatric and neonatal patients); Neonatal Cephalic; Adult Cephalic; Cardiac (adult and pediatric); Peripheral Vascular (PV);



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Musculo-skeletal Conventional and Superficial; Transrectal (TR); Transvaginal (TV).

Technology:

The Voluson P6, Voluson P8 employs the same fundamental scientific technology as its predicate devices

<u>Determination of</u> Substantial Equivalence: **Summary of Non-Clinical Tests:**

The device has been evaluated for acoustic output, biocompatibility, cleaning and disinfection effectiveness as well as thermal, electrical, electromagnetic, and mechanical safety, and has been found to conform to applicable medical device safety standards. Voluson P6, Voluson P8 and its applications comply with voluntary standards:

- 1. IEC60601-1, Medical Electrical Equipment Part 1: General Requirements for Safety
- IEC60601-1-2,Medical Electrical Equipment –
 Part 1-2:General Requirements for Safety Collateral
 Standard: Electromagnetic Compatibility
 Requirements and Tests
- 3. IEC60601-2-37, Medical Electrical Equipment –
 Part 2-37:Particular Requirements for the Safety of
 Ultrasonic Medical Diagnostic and Monitoring
 Equipment
- 4. NEMA UD 3, Standard for Real Time Display of Thermal and Mechanical Acoustic Output Indices on Diagnostic Ultrasound Equipment
- 5. ISO10993-1, Biological Evaluation of Medical Devices- Part 1: Evaluation and Testing- Third Edition
- 6. NEMA UD 2, Acoustic Output Measurement Standard for Diagnostic Ultrasound Equipment
- 7. ISO14971, Application of risk management to medical devices
- 8. NEMA, Digital Imaging and Communications in Medicine (DICOM) Set. (Radiology)

The following quality assurance measures were applied to the development of the system:

Risk Analysis



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- Requirements Reviews
- Design Reviews
- Testing on unit level (Module verification)
- Integration testing (System verification)
- Final Acceptance Testing (Validation)
- Performance testing (Verification)
- Safety testing (Verification)

Transducer materials and other patient contact materials are biocompatible.

Summary of Clinical Tests:

The subject of this premarket submission, Voluson P6, Voluson P8, did not require clinical studies to support substantial equivalence.

Conclusion:

GE Healthcare considers the Voluson P6, Voluson P8 to be as safe, as effective, and performance is substantially equivalent to the predicate device(s).



10903 New Hampshire Avenue Silver Spring, MD 20993

SEP 1 1 2012

Mr. Bryan Behn Regulatory Affairs Manager GE Healthcare 9900 Innovation Drive WAUWATOSA WI 53226

Re: K122387

Trade/Device Name: Voluson P6, Voluson P8

Regulation Number: 21 CFR 892.1550

Regulation Name: Ultrasonic pulsed doppler imaging system

Regulatory Class: II

Product Code: IYN, IYO, and ITX

Dated: August 3, 2012 Received: August 6, 2012

Dear Mr. Behn:

We have reviewed your Section 510(k) premarket notification of intent to market the device referenced above and we have determined the device is substantially equivalent (for the indications for use stated in the enclosure) to legally marketed predicate devices marketed in interstate commerce prior to May 28, 1976, the enactment date of the Medical Device Amendments, or to devices that have been reclassified in accordance with the provisions of the Federal Food, Drug, and Cosmetic Act (Act). You may, therefore, market the device, subject to the general controls provisions of the Act. The general controls provisions of the Act include requirements for annual registration, listing of devices, good manufacturing practice, labeling, and prohibitions against misbranding and adulteration.

This determination of substantial equivalence applies to the following transducers intended for use with the Voluson P6, Voluson P8, as described in your premarket notification:

Transducer Model Number

 RAB2-6-RS
 RIC5-9W-RS

 4C-RS
 RAB2-5-RS

 E8C-RS
 3Sc-RS

 12L-RS
 3Sc-RS

If your device is classified (see above) into either class II (Special Controls) or class III (PMA), it may be subject to such additional controls. Existing major regulations affecting your device can

be found in the Code of Federal Regulations, Title 21, Parts 800 to 895. In addition, FDA may publish further announcements concerning your device in the <u>Federal Register</u>.

Please be advised that FDA's issuance of a substantial equivalence determination does not mean that FDA has made a determination that your device complies with other requirements of the Act or any Federal statutes and regulations administered by other Federal agencies. You must comply with all the Act's requirements, including, but not limited to: registration and listing (21 CFR Part 807); labeling (21 CFR Part 801); good manufacturing practice requirements as set forth in the quality systems (QS) regulation (21 CFR Part 820); and if applicable, the electronic product radiation control provisions (Sections 531-542 of the Act); 21 CFR 1000-1050.

This letter will allow you to begin marketing your device as described in your premarket notification. The FDA finding of substantial equivalence of your device to a legally marketed predicate device results in a classification for your device and thus permits your device to proceed to market.

If you desire specific advice for your device on our labeling regulation (21 CFR Part 801), please go to http://www.fda.gov/AboutFDA/CentersOffices/CDRH/CDRHOffices/ucm115809.htm for the Center for Devices and Radiological Health's (CDRH's) Office of Compliance. Also, please note the regulation entitled, "Misbranding by reference to premarket notification" (21CFR Part 807.97). For questions regarding the reporting of adverse events under the MDR regulation (21 CFR Part 803), please go to

http://www.fda.gov/MedicalDevices/Safety/ReportaProblem/default.htm for the CDRH's Office of Surveillance and Biometrics/Division of Postmarket Surveillance.

If you have any questions regarding the content of this letter, please contact Shahram Vaezy at (301) 796-6242.

Sincerely Yours,

Janine M. Morris

Director

Division of Radiological Devices Office of In Vitro Diagnostic Device

Evaluation and Safety

Center for Devices and Radiological Health

Enclosure(s)



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510(k)	Numbe	er (if	known):
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Device Name:

Voluson P6, Voluson P8

Indications for Use:

The device is a general-purpose ultrasound system. Specific clinical applications and exam types include: Fetal (Obstetrics); Abdominal (including renal and GYN/pelvic); Pediatric; Small Organ (breast, testes, thyroid, salivary gland, lymph nodes, pediatric and neonatal patients); Neonatal Cephalic; Adult Cephalic; Cardiac (adult and pediatric); Peripheral Vascular (PV); Musculo-skeletal Conventional and Superficial; Transrectal (Including Urology and Prostate) (TR); Transvaginal (TV).

Prescription Use_	_X
(Part 21 CFR 801	Subpart D)

AND/OR

Over-The-Counter Use_NA_ (Part 21 CFR 801 Subpart C)

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Concurrence of CDRH, Office of In Vitro Diagnostic Devices (OIVD)

(Division Sign-Off)

Division of Radiological Devices

Office of In Vitro Diagnostic Device Evaluation and

Safety

510(k) Number 6 3 3 3 1



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Indications for Use Forms

The following forms represent indications with clinical applications and exam types along with the modes of operation for the Voluson P6, Voluson P8 system. Combinations identified "P" for the transducers represents those previously cleared with this or another GE Ultrasound system. Combinations identified "N" for the transducers represents those not previously cleared any GE Ultrasound system. Please see section 11 Table 11.2.1 for information on previous clearance information on these transducers.

(Division Sign-Off)

Division of Radiological Devices

Office of In Vitro Diagnostic Device Evaluation and Safety

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Diagnostic Ultrasound Indications for Use Form GE Voluson P6/P8 Ultrasound System

Intended Use: Diagnostic ultrasound imaging or fluid flow analysis of the human body as follows:

1					M	ode of Ope	eration	,			
Clinical Application Anatomy/Region of Interest	В	М	PW Doppler	CW Doppler	Color Doppler	Color M Doppler			Harmonic Imaging	Coded Pulse	Other [Notes]
Ophthalmic					ļ						
Fetal / Obstetrics[7]	N	N	N	N_	N	N	N	N	N	Z	[5,6,9]
Abdominal ^[1]	N	N	N	N	N	N	. N	N	N	N	[5,6,9]
Pediatric	N	N	N	N	N	N	N	N	N_	N	[5,6,9]
Small Organ ^[2]	N	N	N	N	N	N	N	N	N	N	[5,6,9]
Neonatal Cephalic	N	N	N	N	N	N	N	N	N	N	[5]
Adult Cephalic	N	N_	N	N	N .	N	N	N	N_	N	
Cardiac ^[3]	N	N	N	N	N	N_	N	N	N	N	[5]
Peripheral Vascular	N	N_	N	<u> </u>	N	N	N	N	N	N_	[5,6,9]
Musculo-skeletal Conventional	N	N	N_	<u> </u>	N	N	N	N	N	N_	[5,6,9]
Musculo-skeletal Superficial	N	Ŋ	N	<u> </u>	N	N_	N .	N	N	N	[5,6,9]
Other							ļ	ļ. <u></u>	<u> </u>		├
Exam Type, Means of Access	, <u></u>		<u> </u>	<u> </u>		<u> </u>		<u> </u>	 	<u> </u>	
Transesophageal			<u> </u>	<u> </u>	<u> </u>	 	<u> </u>	<u> </u>	<u> </u>		├
Transrectal ^[8]	. N	N	N	<u> </u>	N	. <u>N</u> _	N	N	N	N	[5,6,9
Transvaginal	N	N	N	 	N	N	N	N	N	N_	[5,6,9
Transuretheral			1	<u> </u>		 	 	 		ļ	
Intraoperative		ļ	<u> </u>	<u> </u>	<u> </u>	 	ļ	<u> </u>	├ —	 	├
Intraoperative Neurological		<u> </u>	<u> </u>	 		 	-	ļ	 	 	├ ─
Intravascular				<u> </u>	<u> </u>	↓		 	_	 	
Laparoscopic		<u></u>	<u> </u>	<u> </u>	<u> </u>				<u> </u>	<u></u> _	<u> </u>

N = new indication; P = previously cleared by FDA

Notes: [1] Abdominal includes renal, GYN/Pelvic

- [2] Small organ includes breast, testes, thyroid, salivary gland, lymph nodes, pediatric and neonatal patients
- [3] Cardiac is Adult and Pediatric.
- [5] 3D/4D Imaging Mode.
- [6] Includes imaging of guidance of biopsy (2D/3D/4D).
- [7] Includes infertility monitoring of follicle development.
- [8] Includes urology/prostate.
- [9] Elastography imaging- Elasticity
- [*] Combined modes are B/M, B/Color M, B/PWD, B/Color/PWD, B/PWD

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Concurrence of CDRH, Office of In Vitro Diagnostic Devices (OIVD)

Prescription User (Per 21 CFR 801.109)

(Division Sign-Off) Division of Radiological Devices



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Diagnostic Ultrasound Indications for Use Form GE Voluson P6/P8 with RAB2-6-RS Transducer

Intended Use: Diagnostic ultrasound imaging or fluid flow analysis of the human body as follows:

					Mod	le of Oper	ation		·		
Clinical Application Anatomy/Region of Interest	В	М	PW Doppler	CW Doppler	Color Doppler	Color M Doppler	Power Doppler		Harmonic Imaging	Coded Pulse	Other [Notes
Ophthalmic					ļ						ļ
Fetal / Obstetrics ^[7]	N	N_	N	<u> </u>	N_	N	N	N	N	N	[5,6]
Abdominal ^[1]	N	N	N	<u> </u>	N	N	N	N	N	N	[5,6]
Pediatric	N	N	N		N	N	N	N	N	N	[5,6]
Small Organ ^[2]										-	<u> </u>
Neonatal Cephalic											
Adult Cephalic		<u> </u>		ļ	ļ		<u> </u>		ļ <u> </u>		
Cardiac ^[3]		ļ	-	<u> </u>			ļ		<u> </u>	ļ	<u> </u>
Peripheral Vascular		<u> </u>		 	<u> </u>				ļ	<u> </u>	—
Musculo-skeletal Conventional	N	N.	N	ļ	N	N_	N	N	N_	N	[5,6]
Musculo-skeletal Superficial		ļ	↓	<u> </u>	ļ		ļ <u> </u>	<u>.</u>			<u> </u>
Other				<u> </u>	ļ	<u> </u>	<u> </u>	· .	ļ		1
Exam Type, Means of Access				<u> </u>	 	ļ	_	<u> </u>			-
Transesophageal		<u> </u>			<u> </u>	<u> </u>	<u> </u>	ļ		<u> </u>	 - -
Transrectal ^[8]			<u> </u>	ļ		ļ			ļ <u>.</u>	<u> </u>	┦
Transvaginal				<u> </u>		<u> </u>	ļ		-	 	
Transuretheral		<u> </u>		<u> </u>	ļ. 	<u> </u>	<u> </u>	<u> </u>	1	├	╄
Intraoperative		<u> </u>			<u> </u>	<u> </u>	<u> </u>	ļ.——	<u> </u>	ļ	
Intraoperative Neurological			<u> </u>		<u> </u>	ļ.—	<u> </u>	 	 	 	-
Intravascular		<u> </u>		<u> </u>		ļ	_		_	↓ .—	
Laparoscopic		<u> </u>	<u> </u>	<u> </u>	<u> 1</u>	<u> </u>	<u> </u>		<u></u>	<u> </u>	<u> </u>

N = new indication; P = previously cleared by FDA

Notes:	[1] Abdominal	includes	renal.	GYN/Pelvic

- [2] Small organ includes breast, testes, thyroid, salivary gland, lymph nodes, pediatric and neonatal patients
- [3] Cardiac is Adult and Pediatric.
- [5] 3D/4D Imaging Mode.
- [6] Includes imaging of guidance of biopsy (2D/3D/4D).
- [7] Includes infertility monitoring of follicle development.
- [8] Includes urology/prostate.
- [9] Elastography imaging- Elasticity
- [*] Combined modes are B/M, B/Color M, B/PWD, B/Color/PWD, B/PWD

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Diagnostic Ultrasound Indications for Use Form

GE Voluson P6/P8 with 4C-RS Transducer

Intended Use: Diagnostic ultrasound imaging or fluid flow analysis of the human body as follows:

					Mod	ie of Oper	ation				
Clinical Application Anatomy/Region of Interest	В	М	PW Doppler	CW Doppler	Color	Color M Doppler		Combined Modes	Harmonic Imaging	Coded Pulse	Other [Notes)
Ophthalmic			<u> </u>	<u> </u>		<u> </u>					
Fetal / Obstetrics ^[7]	P	P	P		P	P	P	P	P	P	[6]
Abdominal ^[1]	P	P	P		P	P	P	P	P	P	[6]
Pediatric	P	P	P		P	P	P_	Р	Р	P	[6]
Small Organ ^[2]											
Neonatal Cephalic									<u> </u>		<u></u>
Adult Cephalic									<u> </u>		<u> </u>
Cardiac ^[3]		<u> </u>					ļ	<u> </u>	ļ		
Peripheral Vascular	P	P	P		P	P	P	P	P	P	[6]
Musculo-skeletal Conventional	P	P	P	<u> </u>	P	P	P	P	P	P	[6]
Musculo-skeletal Superficial		<u> </u>		<u> </u>	ļ		ļ		<u> </u>		<u> </u>
Other		<u> </u>		<u> </u>	ļ 	 	ļ. —	<u> </u>	<u> </u>	<u> </u>	-
Exam Type, Means of Access		<u> </u>	<u> </u>			ļ	<u> </u>	ļ	 		<u> </u>
Transesophageal				<u> </u>		ļ		· ·	ļ		-
Transrectal ^[8]					<u> </u>	<u> </u>		ļ.——	 	 	ļ
Transvaginal		<u> </u>	<u> </u>	 	ļ	 -	<u> </u>		ļ	 	
Transuretheral				1		<u> </u>	<u> </u>		 	 	
Intraoperative				<u> </u>	<u> </u>	<u> </u>	1	<u> </u>	 -	 	
Intraoperative Neurological		ļ	_		1	<u> </u>	 	 	-	 	├
Intravascular		ļ	_	ļ	_	—	-	 	 	├	┼
Laparoscopic		<u> </u>	DA (K120	<u> </u>	<u> </u>	<u>L.</u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>

N = new indication; P = previously cleared by FDA (K120741)

Notes: [1] Abdominal includes renal, GYN/Pelvic

- [2] Small organ includes breast, testes, thyroid, salivary gland, lymph nodes, pediatric and neonatal patients
- [3] Cardiac is Adult and Pediatric.
- [5] 3D/4D Imaging Mode.
- [6] Includes imaging of guidance of biopsy (2D/3D/4D).
- [7] Includes infertility monitoring of follicle development.
- [8] Includes urology/prostate.
- [9] Elastography imaging- Elasticity
- [*] Combined modes are B/M, B/Color M, B/PWD, B/Color/PWD, B/PWD

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Concurrence of CDRH, Office of In Vitro Diagnostic Devices (OIVD)

Prescription User (Per 21 CFR 801.109)

(Division Sign-Off)

Pivision of Radiological Devices

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Diagnostic Ultrasound Indications for Use Form

GE Voluson P6/P8 with E8C-RS Transducer

Intended Use: Diagnostic ultrasound imaging or fluid flow analysis of the human body as follows:

Ĺ					Mod	ie of Oper	ation	,			
Clinical Application Anatomy/Region of Interest	В	M	PW Doppler	CW Doppler	Color Doppler	Color M Doppler		Combined Modes	Harmonic Imaging	Coded Pulse	Other [Notes
Ophthalmic			ļ								<u></u>
Fetal / Obstetrics ^[7]	P	P	P		P	Р_	P	P	P	P	[6]
Abdominal ^[1]			ļ <u>.</u>	<u> </u>							
Pediatric			<u> </u>	<u> </u>				 			
Small Organ ^[2]		<u> </u>				<u> </u>					<u> </u>
Neonatal Cephalic	P	P	P		P	P	P	P	P _	P	<u> </u>
Adult Cephalic				 	ļ				ļ <u>.</u>		ļ.—-
Cardiac ^[3]		<u> </u>		<u> </u>					<u> </u>	<u></u>	├
Peripheral Vascular			.	<u> </u>				-	<u> </u>	 	
Musculo-skeletal Conventional			_	<u> </u>		 	<u> </u>		 -	<u> </u>	├
Musculo-skeletal Superficial				<u> </u>		<u> </u>	<u> </u>	ļ ·	 		
Other		ļ			<u> </u>	<u> </u>		 			<u> </u>
Exam Type, Means of Access		<u> </u>	 	<u> </u>	<u> </u>	ļ	 		<u> </u>	 	
Transesophageal		<u> </u>		<u> </u>	<u> </u>	ļ		ļ	 	_	
Transrectal ^[8]	P	P	P	ļ	P	<u> </u>	P	P	P _	P	[6]
Transvaginal	P	P	P		P	P	P	P	P	P_	[6]
Transuretheral		↓		 		ļ	ļ. —	 	ļ	 	
Intraoperative		<u> </u>		<u> </u>	<u> </u>	<u> </u>	├	<u> </u>	 -	-	
Intraoperative Neurological		 	_	<u> </u>	<u> </u>	 	_	 	 	├	+-
Intravascular		 	_	. 	1	 			 	 	-
Laparoscopic	l		- DA (K40)	<u> </u>		<u> </u>				<u></u>	

N = new indication; P = previously cleared by FDA (K120741)

Notes: [1] Abdominal includes renal, GYN/Pelvic

- [2] Small organ includes breast, testes, thyroid, salivary gland, lymph nodes, pediatric and neonatal patients
- [3] Cardiac is Adult and Pediatric.
- [5] 3D/4D Imaging Mode.
- [6] Includes imaging of guidance of biopsy (2D/3D/4D).
- [7] Includes infertility monitoring of follicle development.
- [8] includes urology/prostate.
- [9] Elastography imaging- Elasticity
- [*] Combined modes are B/M, B/Color M, B/PWD, B/Color/PWD, B/PWD

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Concurrence of CDRH, Office of In Vitro Diagnostic Devices (OIVD)

Prescription User (Per 21 CFR 801.109)

(Division Sign-Off)

Division of Radiological Devices

510k D 122387



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Diagnostic Ultrasound Indications for Use Form

GE Voluson P6/P8 with 12L-RS Transducer

Intended Use: Diagnostic ultrasound imaging or fluid flow analysis of the human body as follows:

	Mode of Operation										
Clinical Application Anatomy/Region of Interest	В	М	PW Doppler	CW Doppler	Color Doppler	Color M Doppler	Power Doppler		Harmonic Imaging	Coded Pulse	Other [Notes]
Ophthalmic											
Fetal / Obstetrics ^[7]											
Abdominal ^[1]											
Pediatric	P	P	P		P	P	P	P	P	P	[6,9]
Small Organ ^[2]	P	P	_ P		P	P	P	P	P	P	[6,9]
Neonatal Cephalic		<u> </u>	<u> </u>	ļ					ļ		<u> </u>
Adult Cephalic						_	<u> </u>				<u> </u>
Cardiac ^[3]											<u> </u>
Peripheral Vascular	P	P	P	<u> </u>	P	P	P	P	P	P	[6,9]
Musculo-skeletal Conventional	P	P	P		P	P	P	P	P	P	[6,9]
Musculo-skeletal Superficial	P	P	P		P	P	P	P	P	P	[6,9]
Other		<u> </u>		ļ		<u> </u>		<u> </u>			
Exam Type, Means of Access		<u> </u>		<u> </u>		<u> </u>			<u> </u>		<u> </u>
Transesophageal				ļ	<u> </u>	Ļ	<u> </u>		<u> </u>		ļ
Transrectal ^[8]		<u> </u>		<u> </u>	ļ	<u> </u>	<u> </u>	<u> </u>	<u> </u>		ļ -
Transvaginal		<u> </u>	ļ. <u>.</u>	ļ		<u> </u>	ļ	<u> </u>	<u> </u>	 	ऻ
Transuretheral		<u> </u>		<u> </u>		1	ļ.—		 	ļ <u>.</u>	├
Intraoperative		<u> </u>		,	<u> </u>	 -	ļ	 	 	├	
Intraoperative Neurological		<u> </u>		1		 	ļ. 	ļ	ļ	├- -	┼
Intravascular		<u> </u>	<u> </u>			<u> </u>	<u> </u>	_	 	├ -	┼─
Laparoscopic	L <u>.</u>		<u> </u>	<u> </u>		<u> </u>	<u> </u>	<u> </u>	<u></u>	<u> </u>	

N = new indication; P = previously cleared by FDA (K120741)

Notes: [1] Abdominal includes renal, GYN/Pelvic

- [2] Small organ includes breast, testes, thyroid, salivary gland, lymph nodes, pediatric and neonatal patients
- [3] Cardiac is Adult and Pediatric.
- [5] 3D/4D Imaging Mode.
- [6] Includes imaging of guidance of biopsy (2D/3D/4D).
- [7] Includes infertility monitoring of follicle development.
- [8] Includes urology/prostate.
- [9] Elastography imaging- Elasticity
- [*] Combined modes are B/M, B/Color M, B/PWD, B/Color/PWD, B/PWD

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Concurrence of CDRH, Office of In Vitro Diagnostic Devices (OIVD)

Prescription User (Per 21 CFR 801.109)

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Division of Radiological Devices



510(k) Premarket Notification Submission

Diagnostic Ultrasound Indications for Use Form GE Voluson P6/P8 with RIC5-9W-RS Transducer

Intended Use: Diagnostic ultrasound imaging or fluid flow analysis of the human body as follows:

Ĺ					Mod	ie of Oper					
Clinical Application Anatomy/Region of Interest	В	М	PW Doppler	CW Doppler	Color Doppler	Color M Doppler	Power Doppler		Harmonic Imaging	Coded Pulse	Other [Notes]
Ophthalmic				<u> </u>							
Fetal / Obstetrics ^[7]	P	P	P		P	P	P	P	P	P	[5,6]
Abdominal ^[1]											<u> </u>
Pediatric			1	ļ <u>.</u>			· ·				
Small Organ ⁽²⁾											
Neonatal Cephalic											
Adult Cephalic				ļ <u> </u>	ļ		ļ				├
Cardiac ^[3]					<u> </u>			 		<u> </u>	<u> </u>
Peripheral Vascular				ļ	<u> </u>		ļ	ļ		ļ <u>.</u>	
Musculo-skeletal Conventional		<u></u>		<u> </u>		<u> </u>	<u></u>		ļ. —	_	
Musculo-skeletal Superficial			 		 		ļ	ļ	 		╁
Other			ļ	 	ļ .	<u> </u>	<u> </u>	<u> </u>	ļ <u></u>		├ ─
Exam Type, Means of Access		<u> </u>	_	-	<u> </u>	 	ļ	<u> </u>	<u> </u>	 	-
Transesophageal		ļ		_		<u> </u>	<u> </u>	ļ	<u> </u>	<u> </u>	-
Transrectal ^[8]	P	P	P	_	P	P _	P_	P	P	P	[5,6]
Transvaginal	P	P	P	ļ	P	P	P	P	P	P	[5,6]
Transuretheral		<u> </u>		<u> </u>		↓	ļ	<u> </u>	 	 	+ -
Intraoperative				 	1	—	<u> </u>		ļ	ļ	╄
Intraoperative Neurological				<u> </u>	ļ	↓		<u> </u>	 	 	
Intravascular				<u> </u>	↓	↓	 	<u> </u>	<u> </u>	 	+
Laparoscopic		L		<u>l</u>				<u> </u>	<u></u>	<u> 1 </u>	<u> </u>

N = new indication; P = previously cleared by FDA (K120741)

Notes: [1] Abdominal includes renal, GYN/Pelvic

- [2] Small organ includes breast, testes, thyroid, salivary gland, lymph nodes, pediatric and neonatal patients
- [3] Cardiac is Adult and Pediatric.
- [5] 3D/4D Imaging Mode.
- [6] Includes imaging of guidance of biopsy (2D/3D/4D).
- [7] Includes infertility monitoring of follicle development.
- [8] Includes urology/prostate.
- [9] Elastography imaging- Elasticity
- [*] Combined modes are B/M, B/Color M, B/PWD, B/Color/PWD, B/PWD

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Prescription User (Per 21 CFR 801.109)

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510(k) Premarket Notification Submission

Diagnostic Ultrasound Indications for Use Form

GE Voluson P6/P8 with RAB2-5-RS Transducer

Intended Use: Diagnostic ultrasound imaging or fluid flow analysis of the human body as follows:

					Mo	e of Oper	ation				
Clinical Application Anatomy/Region of Interest	В	М	PW Doppler	CW Doppler	Color Doppler	Color M Doppler	Power Doppler		Harmonic Imaging	Coded Pulse	Other [Notes
Ophthalmic		<u>_</u> .							<u> </u>		
Fetal / Obstetrics ^[7]	P	P	P		P	P	P _	P	Р_	P	(5,6)
Abdominal ^[1]	P	P	P	ļ	P	P	P_	P	P	<u> P</u>	(5,6)
Pediatric							ļ	<u> </u>			 -
Small Organ ^[2]											
Neonatal Cephalic											<u> </u>
Adult Cephalic				ļ					 		
Cardiac ^[3]		<u> </u>		<u> </u>	<u> </u>	ļ	ļ	ļ——	ļ <u> </u>	<u>'</u>	 - -
Peripheral Vascular		ļ	ļ. <u> </u>	ļ	 	<u> </u>		ļ			<u> </u>
Musculo-skeletal Conventional	P	P	Р,	<u> </u>	_ <u>P</u>	P	P	P	P _	P_	(5,6)
Musculo-skeletal Superficial		'		<u> </u>			ļ	 	<u> </u>		├
Other					ļ	<u> </u>	<u> </u>	<u> </u>	<u> </u>		
Exam Type, Means of Access		<u> </u>		ļ	ļ	ļ	<u> · </u>	ļ	<u> </u>		 -
Transesophageal			<u> </u>		ļ	.	.		<u> </u>		┼ -
Transrectal ^[8]		1			ļ	<u> </u>	<u> </u>		<u> </u>	<u> </u>	
Transvaginal		<u> </u>		ļ	<u> </u>	 	ļ	ļ	 	<u> </u>	┥ -
Transuretheral		<u> </u>	<u> </u>		<u> </u>	ļ	<u> </u>	<u> </u>	 	<u> </u>	┨—
Intraoperative		ļ	<u> </u>			 	<u> </u>	 	 	 	┼
Intraoperative Neurological		<u> </u>		ļ	<u> </u>	<u> </u>	<u> </u>	 	 	 	
Intravascular		 	_		1		_	 	┼	 	+
Laparoscopic	l	<u> </u>	<u> </u>			<u> </u>	<u> </u>		<u></u>	<u> </u>	<u> </u>

N = new indication; P = previously cleared by FDA (K120741)

Notes: [1] Abdominal includes renal, GYN/Pelvic

- [2] Small organ includes breast, testes, thyroid, salivary gland, lymph nodes, pediatric and neonatal patients
- [3] Cardiac is Adult and Pediatric.
- [5] 3D/4D Imaging Mode.
- [6] Includes imaging of guidance of biopsy (2D/3D/4D).
- [7] Includes infertility monitoring of follicle development.
- [8] Includes urology/prostate.
- [9] Elastography imaging- Elasticity
- [*] Combined modes are B/M, B/Color M, B/PWD, B/Color/PWD, B/PWD

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Diagnostic Ultrasound Indications for Use Form

GE Voluson P6/P8 with 3Sc-RS Transducer

Intended Use: Diagnostic ultrasound imaging or fluid flow analysis of the human body as follows:

		•			Мо	de of Oper	ation				
Clinical Application Anatomy/Region of Interest	В	М	PW Doppler	CW Doppler	Color Doppler	Color M Doppler	Power Doppler		Harmonic Imaging	Coded Pulse	Other [Notes]
Ophthalmic				<u>'</u>							<u> </u>
Fetal / Obstetrics ^[7]	P	P	Р_	P	P	P	P	P	Р	P	
Abdominal ^[1]	Р_	P	P	P	P	P	P	P	P	P	
Pediatric	P	P	P	P	P	P	P	P	P	P	
Small Organ ^[2]											
Neonatal Cephalic							ļ				
Adult Cephalic	P	P	P	P	P	P	P	P	P	_ P	
Cardiac ^[3]	P	P	P	P	P	P	P	P	Р	P	<u> </u>
Peripheral Vascular					<u> </u>	<u> </u>		ļ	ļ		├
Musculo-skeletal Conventional				<u> </u>		ļ		<u> </u>	ļ <u> </u>		┡
Musculo-skeletal Superficial				ļ		ļ	<u> </u>		ļ <u>-</u>	-	
Other				ļ	ļ	<u> </u>		<u> </u>	<u> </u>	ļ	
Exam Type, Means of Access.			<u> </u>	ļ	<u> </u>	ļ·	<u> </u>		 		 -
Transesophageal			_	ļ	<u> </u>	<u> </u>	<u> </u>	<u> </u>	 -	ļ	
Transrectal ^[8]		<u> </u>			 	 			ļ		 —
Transvaginal		ļ		ļ		ļ·	 	 	<u> </u>	ļ	├
Transuretheral				<u> </u>		 	ļ	<u> </u>	 	<u> </u>	-
Intraoperative	•	1		ļ <u> </u>	 	 	<u> </u>	 	 	<u> </u>	+
Intraoperative Neurological		ļ. <u></u>		<u> </u>		 	<u> </u>		 	 	
Intravascular		ļ		<u> </u>	-	 	<u> </u>		 -	 	
Laparoscopic		<u> </u>		<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> 1</u>	<u> </u>	<u> </u>

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Notes: [1] Abdominal includes renal, GYN/Pelvic

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- [7] Includes infertility monitoring of follicle development.
- [8] Includes urology/prostate.
- [9] Elastography imaging- Elasticity
- [*] Combined modes are B/M, B/Color M, B/PWD, B/Color/PWD, B/PWD

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